OMB Approval Number: 2050-0095
Approved for Use Through: 4/95

PA Site Inspection Sheets

Site Name: Erdle Perforating
CERCLIS ID No.: NYD982511865
Street Address: 100 Pixley Industrial Parkway
City/State/Zip: Rochester, NY 14624

Investigator: Valerie Morra
Agency/Organization: Sheladia Associates
Street Address: 15825 Shady Grove Road
City/State: Rockville, MD

Date: May 28 '93

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WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

1	Contaminated soil	Contaminated soil	Ref: 6	WQ value	maximum
	Area	9.00E+02 sq ft		2.65E-02	2.65E-02

The former location of the TCE tank, waste oil tank and fres oil tank is approximately 30' x 30'. These tanks and approximately 120 cubic yards of contaminated soil have been removed. There is still residual contamination in this area.
Ref: 6

** Only First WC Page Is Printed ** | Waste Characteristics Score: WC = 18

Ground Water Pathway Criteria List
Suspected Release

Are sources poorly contained? (y/n/u)	Y
Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	N
Is precipitation heavy? (y/n/u)	N
Is the infiltration rate high? (y/n/u)	U
Is the site located in an area of karst terrain? (y/n)	N
Is the subsurface highly permeable or conductive? (y/n/u)	U
Is drinking water drawn from a shallow aquifer? (y/n/u)	N
Are suspected contaminants highly mobile in ground water? (y/n/u)	Y
Does analytical or circumstantial evidence suggest ground water contamination? (y/n/u)	Y
Other criteria? (y/n) N	
SUSPECTED RELEASE? (y/n)	Y

Summarize the rationale for Suspected Release:

Erdle Perforating uses Trichloroethylene (TCE) in its degre asing operations. Waste TCE is stored in underground storage tanks. During tank cleaning operations the hauler detected agbout 35% of water in the waste TCE. Apparently a leak had taken place into the ground water. Analytical results of soil and groundwater samples indicated the presence of chloromethane, 1,1-dichloroethane, 1,1,1-trichloroethane, 1,2-dichloroethene and TCE.

Ref: 5

Ground Water Pathway Criteria List
Primary Targets

Is any drinking water well nearby? (y/n/u)	Y
Has any nearby drinking water well been closed? (y/n/u)	U
Has any nearby drinking water well user reported foul-testing or foul-smelling water? (y/n/u)	U
Does any nearby well have a large drawdown/high production rate? (y/n/u)	U
Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance? (y/n/u)	U
Does analytical or circumstantial evidence suggest contamination at a drinking water well? (y/n/u)	N
Does any drinking water well warrant sampling? (y/n/u)	N
Other criteria? (y/n) N	
PRIMARY TARGET(S) IDENTIFIED? (y/n)	N

Summarize the rationale for Primary Targets:

The nearest well is located about .25 Miles of the site. Only one person relies on that well. Within .25 to .5 Miles 2 people rely on private wells. Groundwater flow direction appears to be to the unnamed stream and to the marshy area south of the site. It is not expected that water supply wells be impacted by site related contaminated groundwater.

Ref: 5,14,15

GROUND WATER PATHWAY SCORESHEETS

Pathway Characteristics

		Ref.
Do you suspect a release? (y/n)	Yes	
Is the site located in karst terrain? (y/n)	No	
Depth to aquifer (feet):	5	10
Distance to the nearest drinking water well (feet):	1320	14

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	550		
2. NO SUSPECTED RELEASE		0	
LR =	550	0	

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) N	12	0	
5. NEAREST WELL	20	0	
6. WELLHEAD PROTECTION AREA None within 4 Miles	0	0	
7. RESOURCES	5	0	
T =	37	0	

WASTE CHARACTERISTICS

WC =	18	0

GROUND WATER PATHWAY SCORE: 4

Ground Water Target Populations

Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	Value
None				
*** Note : Maximum of 5 Wells Are Printed ***			Total	

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	1	14	1
Greater than 1/4 to 1/2 mile	2	14	1
Greater than 1/2 to 1 mile	16	14	1
Greater than 1 to 2 miles	102	14	3
Greater than 2 to 3 miles	237	14	2
Greater than 3 to 4 miles	311	14	4
		Total	12

Apportionment Documentation for a Blended System

Surface Water Pathway Criteria List Suspected Release	
Is surface water nearby? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	Y
Is the drainage area large? (y/n/u)	Y
Is rainfall heavy? (y/n/u)	U
Is the infiltration rate low? (y/n/u)	U
Are sources poorly contained or prone to runoff or flooding? (y/n/u)	N
Is a runoff route well defined(e.g.ditch/channel to surf.water)? (y/n/u)	Y
Is vegetation stressed along the probable runoff path? (y/n/u)	U
Are sediments or water unnaturally discolored? (y/n/u)	N
Is wildlife unnaturally absent? (y/n/u)	U
Has deposition of waste into surface water been observed? (y/n/u)	U
Is ground water discharge to surface water likely? (y/n/u)	Y
Does analytical/circumstantial evidence suggest S.W. contam? (y/n/u)	Y
Other criteria? (y/n) N	
SUSPECTED RELEASE? (y/n)	Y

Summarize the rationale for Suspected Release:

A drainage ditch from the Erdle Perforating Site joins an unnamed stream which in turn discharges into Little Black Creek. Samplinmg done at a point in the ditch indicated the presence of TCE, chloroform, 1,2-dichloroethene and bromodichloromethane. This thereby indicates a suspected release to surface water.

Ref: 5,6

Surface Water Pathway Criteria List
Primary Targets

Is any target nearby? (y/n/u) If yes: Y
N Drinking water intake
Y Fishery
Y Sensitive environment

Has any intake, fishery, or recreational area been closed? (y/n/u) N

Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target? (y/n/u) N

Does any target warrant sampling? (y/n/u) If yes: Y
U Drinking water intake
Y Fishery
Y Sensitive environment

Other criteria? (y/n) N

PRIMARY INTAKE(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Intakes:

There are no intakes located within the 15 mile surface water pathway.

Ref: 15
continued -------

continued -------

Other criteria? (y/n) N

PRIMARY FISHERY(IES) IDENTIFIED? (y/n) Y

Summarize the rationale for Primary Fisheries:

The unnamed stream is a tributary to Little Black Creek. Little Black Creek is a tributary of Genesee River and both ares used for fishing and recreational purposes. Contamination found in the drainage ditch suggests potential contamination of the unnamed stream and the crrek. Under the present site conditions fisheries in Little Black Creek could be effected.

Ref:

Other criteria? (y/n) N

PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED? (y/n) Y

Summarize the rationale for Primary Sensitive Environments:

There are primary sensitive environments located within .25 Mile distance from the site, the unnamed stream west of the site, the wetland area on the southern side of the site and Little Black River south of the site.

Ref: 4,16

SURFACE WATER PATHWAY SCORESHEETS

Pathway Characteristics		Ref.
Do you suspect a release? (y/n)	Yes	
Distance to surface water (feet):	100	7
Flood frequency (years):	>500	8
What is the downstream distance (miles) to:		
a. the nearest drinking water intake?	N.A.	18
b. the nearest fishery?	0.2	4
c. the nearest sensitive environment?	0.2	4

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	550		
2. NO SUSPECTED RELEASE		0	
LR =	550	0	

Drinking Water Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type, flow (if applicable), and number of people served by each drinking water intake.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	0	
6. NEAREST INTAKE	0	0	
7. RESOURCES	5	0	
T =	5	0	

Drinking Water Threat Target Populations

Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served	Ref.	Value
None					

Total Primary Target Population Value	0
Total Secondary Target Population Value	0

*** Note : Maximum of 6 Intakes Are Printed ***

Apportionment Documentation for a Blended System

Human Food Chain Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
8. Determine the water body type and flow for each fishery within the target limit.			
9. PRIMARY FISHERIES	300		
10. SECONDARY FISHERIES	0	0	
T =	300	0	

Human Food Chain Threat Targets

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 Little Black Creek	Y	primary fishery		300
2 Genesee River	N	>100-1000 cfs		12
		Total Primary Fisheries Value		300
		Total Secondary Fisheries Value		0

*** Note : Maximum of 6 Fisheries Are Printed ***

Environmental Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
11. Determine the water body type and flow (if applicable) for each sensitive environment.			
12. PRIMARY SENSITIVE ENVIRONMENTS	300		
13. SECONDARY SENSITIVE ENVIRONS.	0	0	
T =	300	0	

Environmental Threat Targets

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 Unnamed Stream	Y	primary sens. envir.	4	300
2 Wetland Area	Y	primary sens. envir.	4	300
3 Little Black Creek	Y	primary sens. envir.	4	300
4 Genesee River	N	>100-1000 cfs	4	0

Total Primary Sensitive Environments Value 300
Total Secondary Sensitive Environments Value 0
*** Note: Maximum of 6 Sensitive Environments Are Printed ***

Surface Water Pathway Threat Scores

Threat	Likelihood of Release(LR) Score	Targets(T) Score	Pathway Waste Characteristics (WC) Score	Threat Score LR x T x WC / 82,500
Drinking Water	550	5	32	1
Human Food Chain	550	300	32	64
Environmental	550	300	32	60

SURFACE WATER PATHWAY SCORE: 100

Soil Exposure Pathway Criteria List
Resident Population

Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination? (y/n/u)	N
Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator? (y/n/u)	U
Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities? (y/n/u)	N
Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems? (y/n/u)	U
Does any neighboring property warrant sampling? (y/n/u)	N
Other criteria? (y/n) N	
RESIDENT POPULATION IDENTIFIED? (y/n)	N

Summarize the rationale for Resident Population:

Ref:

SOIL EXPOSURE PATHWAY SCORESHEETS

Pathway Characteristics		Ref.
Do any people live on or within 200 ft of areas of suspected contamination? (y/n)	No	3
Do any people attend school or daycare on or within 200 ft of areas of suspected contamination? (y/n)	No	4
Is the facility active? (y/n):	Yes	4

LIKELIHOOD OF EXPOSURE	Suspected Contamination	References
1. SUSPECTED CONTAMINATION LE =	550	

Targets

2. RESIDENT POPULATION 0 resident(s) 0 school/daycare student(s)	0	4 3
3. RESIDENT INDIVIDUAL	0	
4. WORKERS 1 - 100	5	4
5. TERRES. SENSITIVE ENVIRONMENTS	0	
6. RESOURCES	5	
T =	10	

WASTE CHARACTERISTICS WC = 18

RESIDENT POPULATION THREAT SCORE: 1

NEARBY POPULATION THREAT SCORE: 1

Population Within 1 Mile: 1 - 10,000

SOIL EXPOSURE PATHWAY SCORE: 2

Soil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
None		

Total Terrestrial Sensitive Environments Value

*** Note : Maximum of 7 Sensitive Environments Are Printed ***

Air Pathway Criteria List
Suspected Release

Are odors currently reported? (y/n/u)	N
Has release of a hazardous substance to the air been directly observed? (y/n/u)	N
Are there reports of adverse health effects (e.g., headaches, nausea, dizziness) potentially resulting from migration of hazardous substances through the air? (y/n/u)	U
Does analytical/circumstantial evidence suggest release to air? (y/n/u)	N
Other criteria? (y/n) N	
SUSPECTED RELEASE? (y/n)	N

Summarize the rationale for Suspected Release:

There has been no release to air been documented. Chances of air release are less since the source is underground.

Ref: 6

AIR PATHWAY SCORESHEETS

Pathway Characteristics			Ref.
Do you suspect a release? (y/n)		No	
Distance to the nearest individual (feet):		2000	16

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		500	
LR =	0	500	

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION	0	39	
5. NEAREST INDIVIDUAL	0	20	
6. PRIMARY SENSITIVE ENVIRONS.	0		
7. SECONDARY SENSITIVE ENVIRONS.	0	3	
8. RESOURCES	0	5	
T =	0	67	

WASTE CHARACTERISTICS		
WC =	0	18

AIR PATHWAY SCORE:	7

Air Pathway Secondary Target Populations

Distance Categories	Population	References	Value
Onsite	72	17	5
Greater than 0 to 1/4 mile	185	14	4
Greater than 1/4 to 1/2 mile	560	14	3
Greater than 1/2 to 1 mile	3443	14	8
Greater than 1 to 2 miles	17393	14	8
Greater than 2 to 3 miles	24014	14	4
Greater than 3 to 4 miles	41261	14	7
	Total Secondary Population Value		39

Air Pathway Primary Sensitive Environments

Sensitive Environment Name	Reference	Value
None		
Total Primary Sensitive Environments Value		

*** Note : Maximum of 7 Sensitive Environments Are Printed***

Air Pathway Secondary Sensitive Environments

Sensitive Environment Name	Distance	Reference	Value
1 Unnamed Stream	0 - 1/4	4	0.1
2 Wetland Area	onsite	4	2.5
3 Little Black Creek	>1/4-1/2	4	0.4
Total Secondary Sensitive Environments Value			3

SITE SCORE CALCULATION	SCORE
GROUND WATER PATHWAY SCORE:	4
SURFACE WATER PATHWAY SCORE:	100
SOIL EXPOSURE PATHWAY SCORE:	2
AIR PATHWAY SCORE:	7
SITE SCORE:	50

SUMMARY

1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? No

   If yes, identify the well(s).

   If yes, how many people are served by the threatened well(s)? 0

2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?
   A. Drinking water intake — No
   B. Fishery — Yes
   C. Sensitive environment (wetland, critical habitat, others) — Yes

   If yes, identity the target(s).
   Little Black Creek
   Unnamed Stream, Wetland Area

3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility? No

   If yes, identify the properties and estimate the associated population(s)

4. Are there public health concerns at this site that are not addressed by PA scoring considerations? No

   If yes, explain:

OMB Approval Number: 2050-0095
Approved for Use Through: 4/95

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: NY	CERCLIS Number: NYD982531865
	CERCLIS Discovery Date:	

1. General Site Information

Name:		Street Address:			
Erdle Perforating		100 Pixley Industrial Parkway			
City:	State:	Zip Code:	County:	Co. Code:	Cong. Dist:
Rochester	NY	14624	Monroe		
Latitude: Longitude:		Approx. Area of Site:		Status of Site:	
43 8' 17.9" 77 42' 53.7"		9,000 sq feet		Active	

2. Owner/Operator Information

Owner:			Operator:		
Erdle Perforating Co.Inc			Erdle Perforating Co.Inc		
Street Address:			Street Address:		
100 Pixley Industrial Parkway			100 Pixley Industrial Parkway		
City:			City:		
Rochester			Rochester		
State:	Zip Code:	Telephone:	State:	Zip Code:	Telephone:
NY	14624	(716)247 4700	NY	14624	(716)247 4700
Type of Ownership:			How Initially Identified:		
Private			Incidental		

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: NY	CERCLIS Number: NYD982531865
	CERCLIS Discovery Date:	

3. Site Evaluator Information

Name of Evaluator:	Agency/Organization:	Date Prepared:
Valerie Morra	Sheladia Associates	May 28 '93

Street Address:	City:	State:
15825 Shady Grove Road	Rockville	MD

Name of EPA or State Agency Contact:	Telephone:
Luz Martinez	(212) 264-4561

Street Address:	City:	State:
26 Federal Plaza	New York City	NY

4. Site Disposition (for EPA use only)

Emergency Response/Removal Assessment Recommendation: No	CERCLIS Recommendation: Higher Priority SI	Signature:
Date:	Date: 6/6/93	Name:
		Position:

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POTENTIAL HAZARDOUS
WASTE SITE
PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State:	CERCLIS Number:
NY	NYD982531865

CERCLIS Discovery Date:

5. General Site Characteristics

Predominant Land Uses Within 1 Mile of Site:
Industrial
Commercial
Residential

Site Setting:
Suburban

Years of Operation:
Beginning Year: 1960
Ending Year: 1993

Type of Site Operations:
Manufacturing
Metal Coatings, Plating, Engraving

Waste Generated:
Onsite

Waste Deposition Authorized By: Present Owner

Waste Accessible to the Public
No

Distance to Nearest Dwelling, School, or Workplace:
2000 Feet

6. Waste Characteristics Information

Source Type	Quantity	Tier
Contaminated soil	9.00e+02 sq ft	A

General Types of Waste:
Solvents

Physical State of Waste as Deposited
Liquid

Tier Legend
C = Constituent W = Wastestream
V = Volume A = Area

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: NY	CERCLIS Number: NYD982531865
	CERCLIS Discovery Date:	

7. Ground Water Pathway

Is Ground Water Used for Drinking Water Within 4 Miles: ~~No~~ Yes	Is There a Suspected Release to Ground Water: Yes	List Secondary Target Population Served by Ground Water Withdrawn From:
Type of Ground Water Wells Within 4 Miles: Private	Have Primary Target Drinking Water Wells Been Identified: No	0 - 1/4 Mile 1 >1/4 - 1/2 Mile 2 >1/2 - 1 Mile 16 >1 - 2 Miles 102
Depth to Shallowest Aquifer: 5 Feet		>2 - 3 Miles 237
Karst Terrain/Aquifer Present: No	Nearest Designated Wellhead Protection Area: None within 4 Miles	>3 - 4 Miles 311 Total 669

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION State: NY | CERCLIS Number: NYD982531865 CERCLIS Discovery Date:

8. Surface Water Pathway Part 1 of 4

Type of Surface Water Draining Site and 15 Miles Downstream:	Shortest Overland Distance From Any Source to Surface Water:
Stream River	100 Feet 0.0 Miles
Is there a Suspected Release to Surface Water: Yes	Site is Located in: > 500 yr floodplain

8. Surface Water Pathway Part 2 of 4

Drinking Water Intakes Along the Surface Water Migration Path: No

Have Primary Target Drinking Water Intakes Been Identified: No

Secondary Target Drinking Water Intakes:
None

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State:	CERCLIS Number:
NY	NYD982531865

CERCLIS Discovery Date:

8. Surface Water Pathway — Part 3 of 4

Fisheries Located Along the Surface Water Migration Path: Yes

Have Primary Target Fisheries Been Identified: Yes

Secondary Target Fisheries:

Fishery Name	Water Body Type/Flow(cfs)
Genesee River	moderate-large stream/ >100-1000

8. Surface Water Pathway — Part 4 of 4

Wetlands Located Along the Surface Water Migration Path? (y/n) Yes

Have Primary Target Wetlands Been Identified? (y/n) Yes

Secondary Target Wetlands:
None

Other Sensitive Environments Along the Surface Water Migration Path: Yes

Have Primary Target Sensitive Environments Been Identified: Yes

Secondary Target Sensitive Environments:

Water Body/Flow(cfs)	Sensitive Environment Type
moderate-large stream/ >100-1000	Areas used by spawning fishlife

POTENTIAL HAZARDOUS
WASTE SITE
PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State:	CERCLIS Number:
NY	NYD982531865

CERCLIS Discovery Date:

9. Soil Exposure Pathway

Are People Occupying Residences or Attending School or Daycare on or Within 200 Feet of Areas of Known or Suspected Contamination: No

Number of Workers Onsite: 1 - 100

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination: No

10. Air Pathway

Total Population on or Within:	
Onsite	72
0 - 1/4 Mile	185
>1/4 - 1/2 Mile	560
>1/2 - 1 Mile	3443
>1 - 2 Miles	17393
>2 - 3 Miles	24014
>3 - 4 Miles	41261
Total	86928

Is There a Suspected Release to Air: No

Wetlands Located Within 4 Miles of the Site: Yes

Other Sensitive Environments Located Within 4 Miles of the Site: Yes

Sensitive Environments Within 1/2 Mile of the Site:

Distance	Sensitive Environment Type/Wetlands Area(acres)
Onsite	Wetlands (1 to 50 acres)
0 - 1/4	State designated areas for aquatic life under Clean Water Act
>1/4 - 1/2	Areas used by spawning fishlife